



WELCOME





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Garett is the leader of the AT&T FirstNet Program for FEMA Region 8 & 10. Over past twenty plus years, he has led complex telecommunication and information technology projects with government and enterprise organizations. This has included public safety solutions such as CAD/RMS deployments, Push to Talk over cellular, Mobile Security (VPN, MDM) and custom mobile application development.

He has worked for a variety of telecommunication service and equipment providers including 8+ years with AT&T. He holds a BS in Business and a MS in Telecommunications. Garett and his family reside in Golden, Colorado. Away from work, he enjoys music and the mountains.

2016 Green Mountain Fire (Lakewood, Colorado)



<https://www.denverite.com/change-winds-protected-lakewood-unusually-late-season-green-mountain-fire-23867/>



<https://www.denverpost.com/2016/11/28/wildfire-green-mountain-lakewood-colorado/>



WestMetroFire
@WestMetroFire



Fire estimated now at 300 acres. Moving east.

7:44 PM - Nov 28, 2016

♡ 28 💬 68 people are talking about this





FirstNet is the nationwide public safety broadband network, services and solutions that are dedicated to First Responders and those that support them.

It is more than a network, including advanced services, applications and purpose-built devices.



BUILT FOR YOU. INSPIRED BY YOU.



Over 100 years in emergency response solutions.



March 2010

FCC follows the 911 Commission's recommendation to create a nationwide public safety network.



February 2012

The FirstNet Authority was authorized to develop and oversee the dedicated nationwide network for first responders.



March 2017

AT&T awarded contract to provide the capabilities for FirstNet to be built.



December 2017

All U.S. states & territories opt in.



TODAY

We are developing the tools in collaboration with you that advance public safety.

ONE COMMUNITY TOGETHER.

PRIMARY

Fire
Law Enforcement
EMS
PSAP/EMA

EXTENDED PRIMARY

Healthcare
Utilities
Transportation
Others



EXPLORE FIRSTNET

Your essential communications tool

Security



Coverage



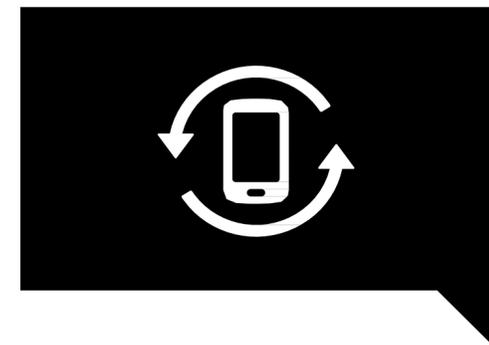
Devices



Control



Innovation



Deployable Programs



DEPLOYABLE PROGRAM

FirstNet deployables

Dedicated nationwide fleet including deployables like Band 14 Satellite Cell on Light Trucks



Benefit: Helps ensure business continuity and disaster recovery



AT&T deployables

Access to commercial Cell on Wheels and Cell on Light Trucks



Benefit: Augments dedicated resources and redundancies for any situation

AT&T COMMERCIAL DEPLOYABLES

AT&T also brings an **existing fleet of hundreds of Cell on Wheels (COWs) and Cell On Light Trucks (COLTs)** that utilize either terrestrial or satellite backhaul, and are capable of providing LTE and Universal Mobile Telecommunications Service (UMTS). Traffic for terrestrial assets is typically backhauled via fiber, Ethernet, and microwave connections.

Network Disaster Recovery (NDR) Satellite Deployables (SatCOLTs) are used to maintain AT&T's network to allow it to serve all of AT&T's customers, including public safety. NDR deployables are dispatched via the AT&T internal governance team for network restoration activities.

AT&T commercial NDR deployable assets (NDR SatCOLTs) are satellite backhaul-capable, and are planned for upgrade to include Band 14 capability. When deployed by AT&T to restore the network, commercial deployables are also benefitting public safety.

AT&T NDR assets are housed at AT&T secure locations to facilitate roadworthiness and technology readiness. These units are deployed by AT&T's NDR and other AT&T Technical Teams which collaborate and share resources for responses. AT&T's deployable teams have extensive experience supporting both public safety and AT&T's network requirements.

FIRSTNET-DEDICATED SATELLITE DEPLOYABLES



- FirstNet SatCOLT assets will be a “lending library” that adopting FirstNet customer entities can request at no additional charge to support various scenarios:
 - Emergency incident requests
 - Planned events
- FirstNet Deployables service includes all the underlying expenses directly associated with the 72 FirstNet deployables (fueling, staffing, backhaul charges, etc.)
- SatCOLT deployables will use non-preemptable satellite backhaul to the FirstNet Core.

The **72 FirstNet SatCOLT and COW deployable assets** are incremental to AT&T's existing National Disaster Recovery (NDR) assets (COWs/COLTs, portable generators, and other AT&T Emergency Communications Vehicles, etc.).

Projected design enhancements to the FirstNet fleet of Satellite Deployables

- SatCOLTs will be Band 14 enabled
- Provide voice (including Voice over IP, VoLTE), data, location, messaging, FirstPriority™ (QPP)
- Designed to be capable of up to 25Mbps downlink and 8 Mbps uplink

Deployable systems that utilize satellite backhaul may have more limited capacity as compared to terrestrial sites with microwave or fiber backhaul, though satellite-based deployable assets are able to be deployed more rapidly and are dedicated to public safety operations.

Transmission improvement capabilities will continue to be evaluated.

EMERGENCY INCIDENT REQUESTS

FirstNet Satellite Deployable assets dispatched for Emergency Incident Requests support up to a 14-hour Recovery Time Objective (RTO) within the continental United States, populated regions of Alaska, Oahu, and Puerto Rico. 14-hour RTO incorporates

Initial Assessment

Includes triage for validation of coverage issues including known outages and repair status or no-service area.

Warehouse response to make-ready equipment/depart

Includes drive time from resource location to warehouse, Department of Transportation permitting and pre-trip inspections, asset readiness validation, trip planning, etc.

Drive time to affected site

Includes weigh station compliance, planning commercial driving routes, weigh station stops, fueling, access and credentialing requirements, coordination on actual setup location, etc.

Service turn-up

Includes locating asset with clear view of southern sky, position and leveling of asset, environmental power and environmental turn-up, acquiring satellite signal, RAN turn-up, 911 services and testing, drive by testing, completing satellite network connectivity. Once onsite, service is generally available within 1-4 hours.

CUSTOMER OWNED AND MAINTAINED (COAM) DEPLOYABLES

If circumstances warrant, FirstNet adopting entities can also purchase new or convert existing assets into Customer Owned and Maintained (COAM) deployable units built to their specifications for deployment by the agency.

Mobile satellite service extension/disaster recovery solutions are available to purchase by public safety entities for additional communications.

Public safety entities that own COAM deployables have unlimited use of those assets.

When deploying COAM units, owning public safety entities need to contact AT&T to coordinate frequency planning and establish 911 services.

To ensure COAM deployables are operational when needed, owning public safety entities will need to establish and adhere to a maintenance plan for each asset. AT&T will have standard offers for COAM management and support.

SATELLITE DEPLOYABLES – HOW TO REQUEST

AT&T Deployable Process

- Request is submitted to AT&T External Affairs contact
- Required information includes:
 - Type of communications support needed
 - Analysis of emergency
 - Service needed (restoration/coverage augmentation)
 - Geography/Lat-Long
 - Number of users
 - Type of equipment requested
 - Additional considerations

FirstNet Process

- Must be a FirstNet customer
- Engage FirstNet Customer Care (800.574.7000) or request through online portal
- Eligible for Emergencies and planned events (30 days in advance)
- FirstNet Emergency Response Team is engaged and will triage and support the request

AT&T deploys LTE-equipped flying COW drone in Puerto Rico





Washington State Contract Update

A PRODUCT BUILT FOR YOUR UNIQUE NEEDS – WITH ...

- Priority network access and preemption capabilities for first responders – **always on**, not just as needed
- 5-year roadmap to deliver mission critical push-to-talk, voice, data, messaging and video
- 5-year roadmap to deliver broadcast technology
- 5-year roadmap to deliver z-Axis location-based services
- Public safety Band 14 deployment to **95% of America's population**
- Deployables dedicated exclusively for public safety – **for both planned activities and disaster recovery**
- Battle-tested priority capabilities (during hurricanes Harvey, Irma and Maria)
- A dedicated public safety application store with certified, public-safety relevant, highly secure and interoperable applications
- Local control of users and applications and the ability to give others priority access to the network
- A public safety application development program that fosters interoperability and facilitates access to new public safety applications
- A network backbone that supports integration with **Next Generation 9-1-1 and Smart Cities public safety applications** – ensuring that emergency work/call flows are available to public safety. This creates an enhanced emergency response capability for public safety and an efficient flow of emergency response communications.



**BUILT FOR YOU.
INSPIRED BY YOU.**



FIRSTNET™

Built with AT&T

